

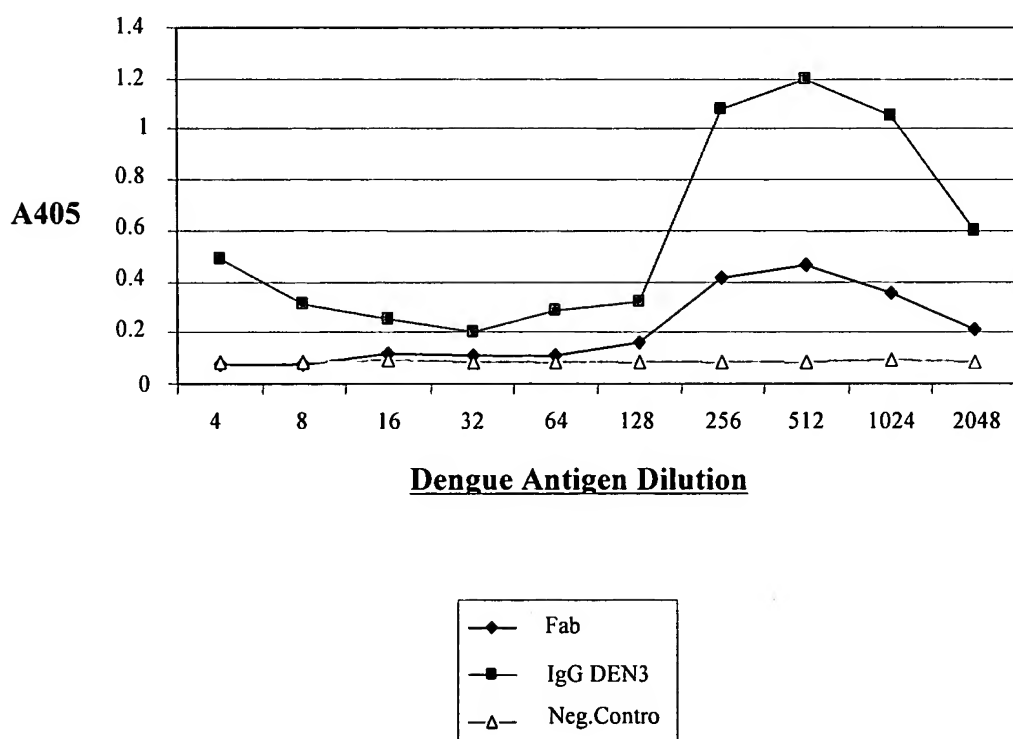
Title: ANTI-DENGUE VIRUS ANTIBODIES, COMPOSITIONS, METHODS AND USES
Inventors: BURTON et al.
Appl. No.: Not Assigned
Atty: John W. Wallen, III
Docket No.: 48503-00004

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Customer No. 23767

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Figure 1
Panel A

**Titration of Dengue Antigen
Against 25 µg/mL of Antibody**

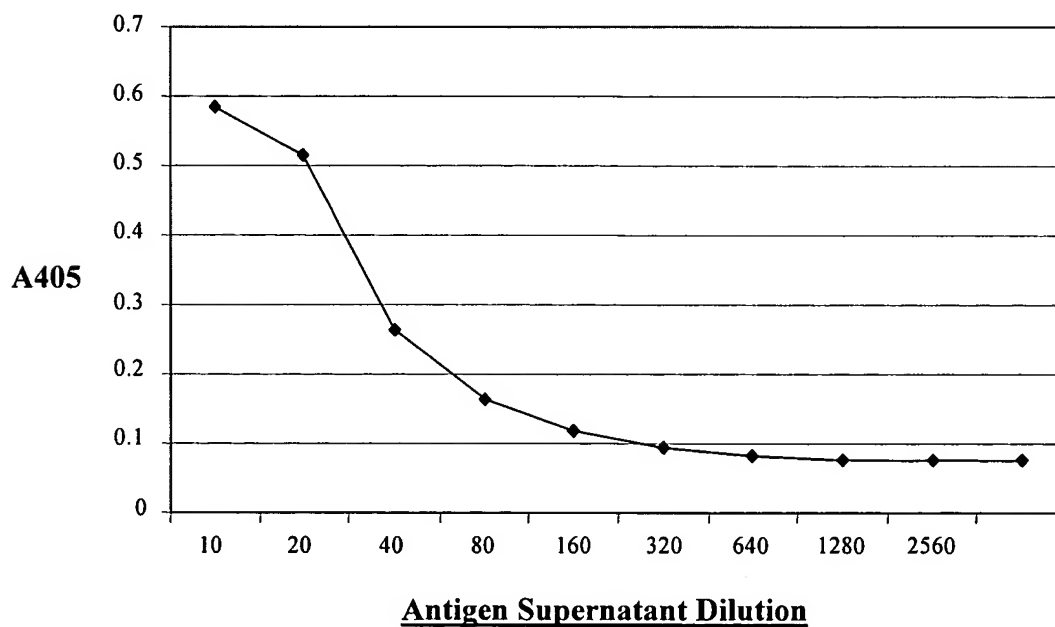


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Figure 1
Panel B

**Titration of Dengue Antigen
(supernatant)**

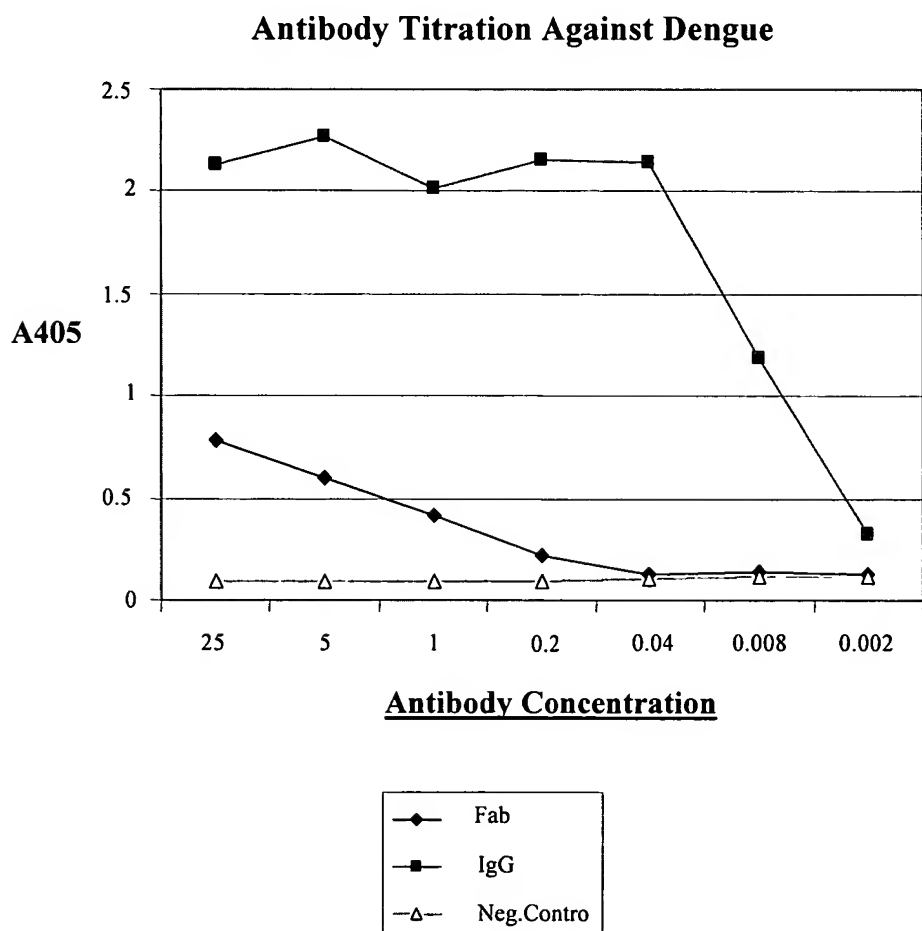


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Figure 1
Panel C



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Figure 2
Sequence ID No: 1

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      10      20      30      40      50      60      70      80      90     100
GCCGCCACCATGGAATGGAGCTGGGTCTTTCTCTTCTTCCTGTCAGTAACTACAGGTGTCCACTCCCAGGTTTCAGCTGGTTCAGTCTGGGGCTGAGGTGA
      110     120     130     140     150     160     170     180     190     200
AGAAGCCTGGGGCCTCAGTGAAGGTTTCCTGCAAGGCATCTGGATACACTTTCACCAACTACTTTCTGCACTGGGTGCGACAGGCCCCCGGACAAGGGCT
      210     220     230     240     250     260     270     280     290     300
TGAGTGGATGGGAATTATCAAGCCTAGTAGTGGTGGTACAACCAACGCACAGAAGTTCAGGGCAGAGTCACCATGACCAGGGACACGTCCACGAACACT
      310     320     330     340     350     360     370     380     390     400
TTCTACATGGAGCTGAGCAGCCTGATATCTGAGGACACGGCCGTGTATTACTGTGCGCGAGAATCCACTCCCATATCAGTGGCCGACGACTACTACTTCG
      410     420     430     440
GTATGGACGTCTGGGGCCAAGGGACCACGGTCACCGTGAGCTCA
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Figure 3
Sequence ID No: 2

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10      20      30      40      50      60      70      80      90      100
AAGCTTACCATGGGTGTGCCCCTCAGGTCCTGGGGTTGCTGCTGCTGTGGCTTACAGATGCCAGATGTCAGTCCGTGCTGACTCAGCCACCCCTCAGCGT
110     120     130     140     150     160     170     180     190     200
CTGGGACCCCCGGGCAGAGGGTCACCATCTCTTGTCTGGAAGCACCTCCAACATCGGAAGTAATACTGTAACTGGTACCAGCAGCTCCCAGGAACGGC
210     220     230     240     250     260     270     280     290     300
CCCCAACTCCTCATCTATAGTAATGATCAGCGGCCCTCAGGGGTCCCTGACCGATTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGT
310     320     330     340     350     360     370     380     390     400
GGGCTCCAGTCTGAGGATGAGGCTGATTATTACTGTGCAGCATGGGATGACAGCCTGAATGGCCTATTTCGGCGGAGGGACCAAGCTGACCGTCCTAGGTC
410     420     430     440     450     460     470     480     490     500
AGCCCAAGGCTGCCCCCTCGGTCACTCTGTTCGCGCCCTCCTCTGAGGAGCTTCAAGCCAACAAGGCCACACTGGTGTGTCTCATAAGTGACTTCTACCC
510     520     530     540     550     560     570     580     590     600
GGGAGCCGTGACAGTGGCCTGGAAGGCACATAGCAGCCCCGTCAAGGCGGGAGTGGAGACCACACCCCTCCAAACAAAGCAACAACAAGTACGCGGCC
610     620     630     640     650     660     670     680     690     700
AGCAGCTACCTGAGCCTGACGCCTGAGCAGTGAAGTCCCACAGAAGCTACAGCTGCCAGGTCACGCATGAAGGGAGCACCGTGGAGAAGACAGTGCGCC
710
CTACAGAATGTTTCATAA
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Figure 4
Sequence ID No: 3

Dengue mAb – Heavy Chain

10 20 30 40 50 60 70 80 90 100
 AATMEWSWVFLFFLSVTGTGVHSQVQLVQSGAEVKKPGASVKVSCKASGYTF TNYFLHWVRQAPGQGLEWMGI IKPSSGGTTNAQKFQGRVTMTRDTSTNT
 110 120 130 140
 FYMELSSLISED TAVYYCARESTPISVADDYYFGMDVWGQGT TTVTVSS

CLONE	FR1	CDR1	FR2	CDR2
DEN3	SGAEVKKPGASVKVSCKASGYTF	TNYFLH	WVRQAPGQGLEWMG	IKPSSGGTTNAQKFQG

CLONE	FR3	CDR3	FR4
DEN3	RVTMTRDTSTNTFYMELSSLISED TAVYYCAR	ESTPISVADDYYFGMDV	WGQGT TTVTVSS

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Figure 5
Sequence ID No: 4

Dengue mAb – Light Chain

10 20 30 40 50 60 70 80 90 100
 KLTMGVPTQVLGLLLLWLTDARCQSVLTQPPSASGTPGQRTVISC SGSTSNIGSNTVNWYQQLPGTAPKLLIYSNDQRPSGVPDRFSGSKSGTSASLAIS
 110 120 130 140 150 160 170 180 190 200
 GLQSEDEADYYCAAWDDSLNGLFGGGTKLTVLGQPKAAPSVTLFPPSSEELQANKATLVCLISDFYPGAVTVAWKADSSPVKAGVETTTPSKQSNKYAA
 210 220 230
 SSYLSLTPEQWKSHRSYSCQVTHEGSTVEKTVAPTECS *

CLONE	FR1	CDR1	FR2	CDR2
DEN3	LTQPPSASGTPGQRTVISC	SGSTSNIGSNTVN	WYQQLPGTAPKLLIY	SNDQRPS

CLONE	FR3	CDR3	FR4
DEN3	GVPDRFSGSKSGTSASLAISGLQSEDEADYYC	AAWDDSLNGL	FGGGTKL

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Figure 6

